

## **CIMAS Post Doctoral Associate**

**Position number 048650**

<b>Job Title:</b>	Post Doctoral Associate, MAS	<b>Position Number:</b>	048650
<b>Paygrade:</b>	7	<b>Department/Hospital</b>	COOP INST FOR MARINE AND ATMOS STUDIES
<b>Pay Band Min/Max:</b>	\$37,190.00 - \$67,437.00		

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The Cooperative Institute for Marine and Atmospheric Studies (CIMAS) of the University of Miami (UM) invites applications for a Postdoctoral Associate position (fixed two-year term) in mesoscale atmosphere-ocean coupled modeling. The successful candidate will be responsible for devising and conducting numerical model experiments to evaluate the impact of sustained upper ocean profile observations on improving tropical Atlantic Hurricane intensity forecasts using the Hurricane Weather Research and Forecast System – HYbrid Coordinate Ocean Model (HWRF-HYCOM), which is an atmosphere-ocean coupled regional hurricane forecast model that is currently undergoing pre-operational testing at EMC. He or she will also be responsible for analyzing the model results, presenting findings at scientific meetings and publishing results in scientific journals.

The incumbent will work with scientists in the Physical Oceanography and Hurricane Research Divisions of the Atlantic Oceanographic and Meteorological Laboratory (AOML) of the National Oceanic and Atmospheric Administration (NOAA), and in the Environmental Modeling Center (EMC) at the National Centers for Environmental Prediction (NCEP) of NOAA, in direct collaboration with scientists at Rosenstiel School of Marine and Atmospheric Science (RSMAS) of University of Miami. The incumbent will be physically working in EMC (College Park, MD) during the first year and in CIMAS (Miami, FL) during the second year. Limited relocation expenses will be covered.

Applicants must have a Ph.D. in Atmospheric Science/Physical Oceanography or a related field and a demonstrated ability in publishing results in the peer-reviewed literature. The successful candidate must demonstrate interest and ability in mesoscale atmospheric modeling. Highly desirable qualifications include knowledge of Unix and Fortran, and the ability to run HWRF. Prior experiences with HYCOM and ocean data assimilation are desirable, but not required.

Apply online at: [www.miami.edu/careers](http://www.miami.edu/careers). Curriculum Vitae, statement of research interest and experiences and the contact information for three references from whom letters of recommendation may be requested are required. The position is available immediately and remains open until filled. However, applications received by January 15, 2014 will receive the fullest attention. Position #048650

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